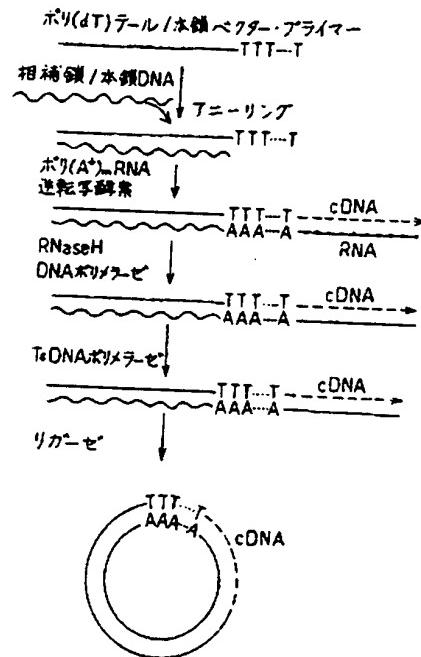


# EUROPEAN PATENT OFFICE

PUBLICATION NUMBER : 02238882  
PUBLICATION DATE : 21-09-90  
  
APPLICATION DATE : 13-03-89  
APPLICATION NUMBER : 01057785  
  
APPLICANT : TAKARA SHUZO CO LTD;  
  
INVENTOR : OBAYASHI AKIRA;  
  
INT.CL. : C12N 15/10  
  
TITLE : SYNTHESIS OF cDNA AND KIT THEREFOR



**ABSTRACT :** PURPOSE: To form a cDNA library by annealing a vector primer which contains poly(dT) tail at 3' end and is partially duplex with a reverse transcriptase, treating with a modifying enzyme and subjecting ring formation with ligase.

**CONSTITUTION:** A single stranded vector primer to which poly(dT) tail is added at 3' end is annealed with a complementary chain DNA not in the poly(dT) tail range to give a partially duplex vector primer, poly(A<sup>+</sup>)<sub>m</sub>RNA is annealed and cDNA is synthesized with a reverse transcriptase. RNA part is converted into DNA by RNaseH, DNA polymerase I, end of duplex DNA is made into bran end by T<sub>4</sub>DNA polymerase and ring formation is carried out by a ligase and the resulting substance is transformed into Escherichia coli.

COPYRIGHT: (C)1990,JPO&Japio